



California Energy Commission

LADWP Planning Area Demand Forecast

**IEPR Workshop on Revised Electricity and Natural
Gas Demand Forecasts 2014-2024**

California Energy Commission

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Demand Analysis Office

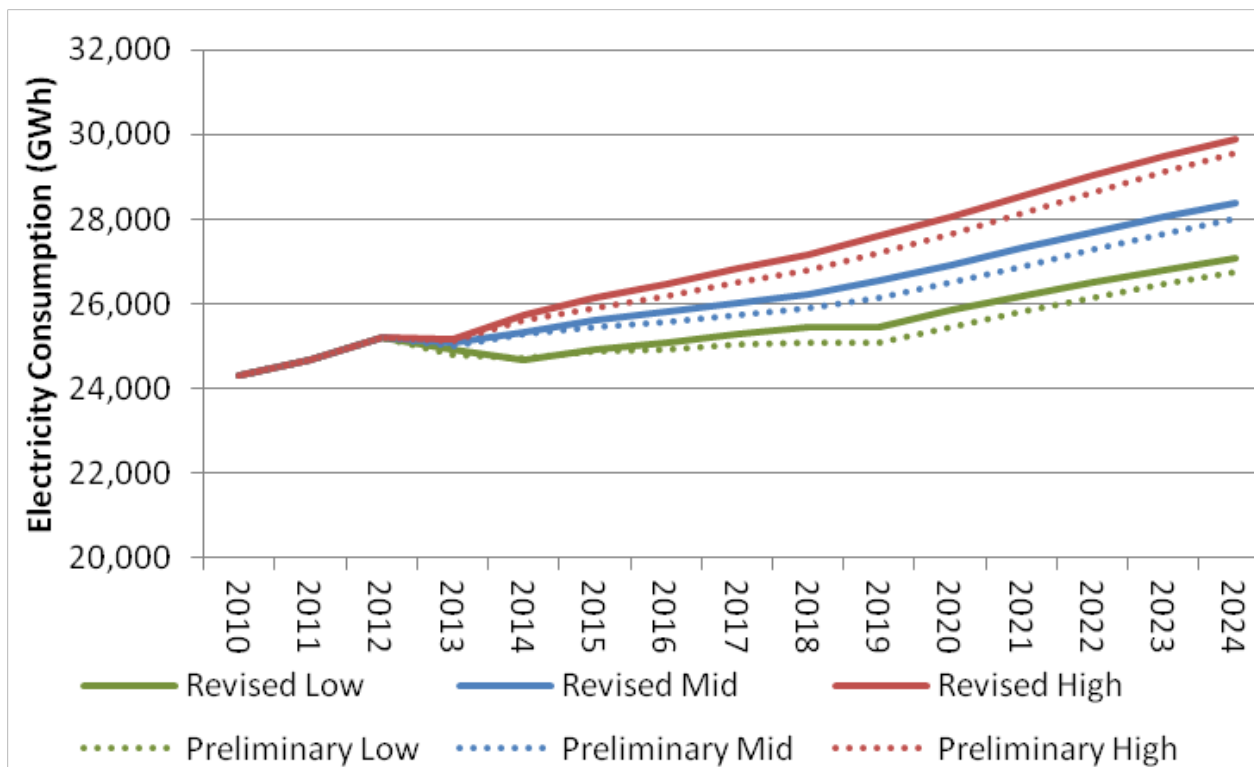
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Revised and Preliminary Demand

Electricity consumption increased 1.1%, 1.4%, and 1.2% for the high, mid, and low cases, respectively.

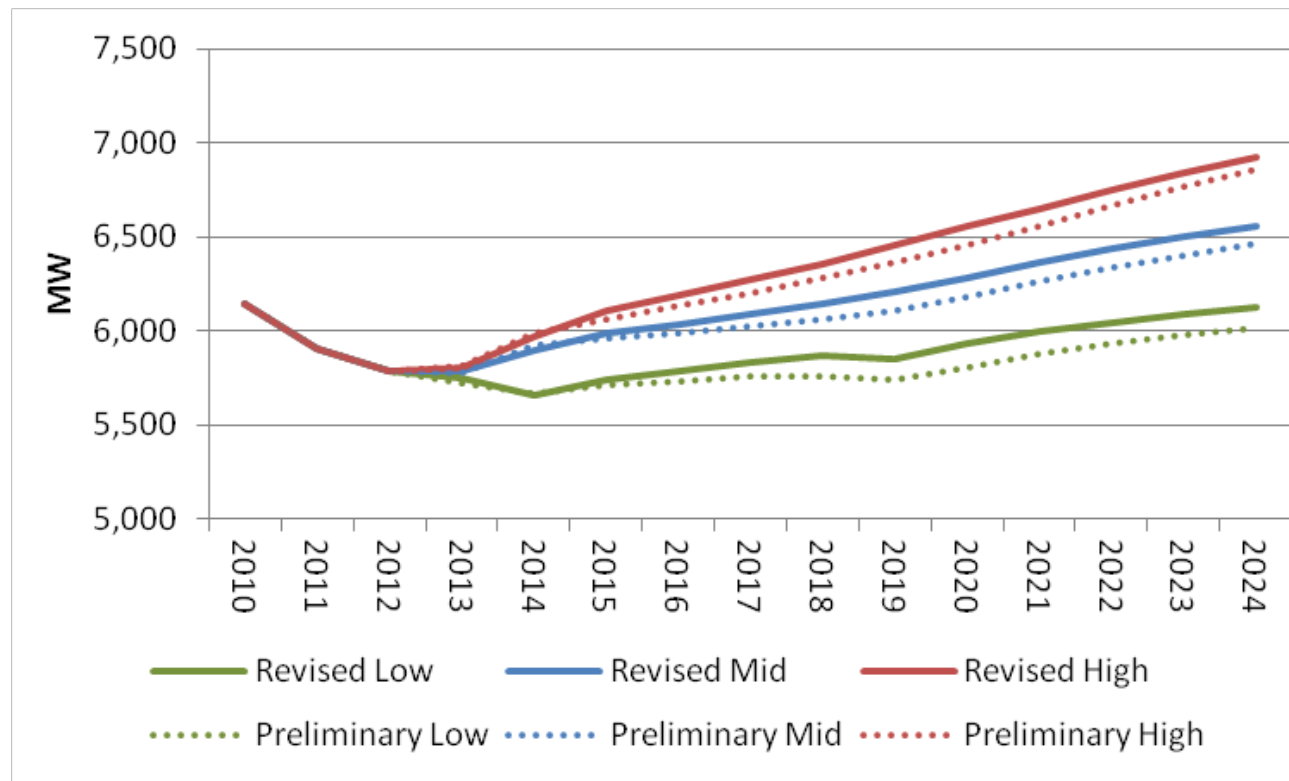




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Revised and Preliminary Peak

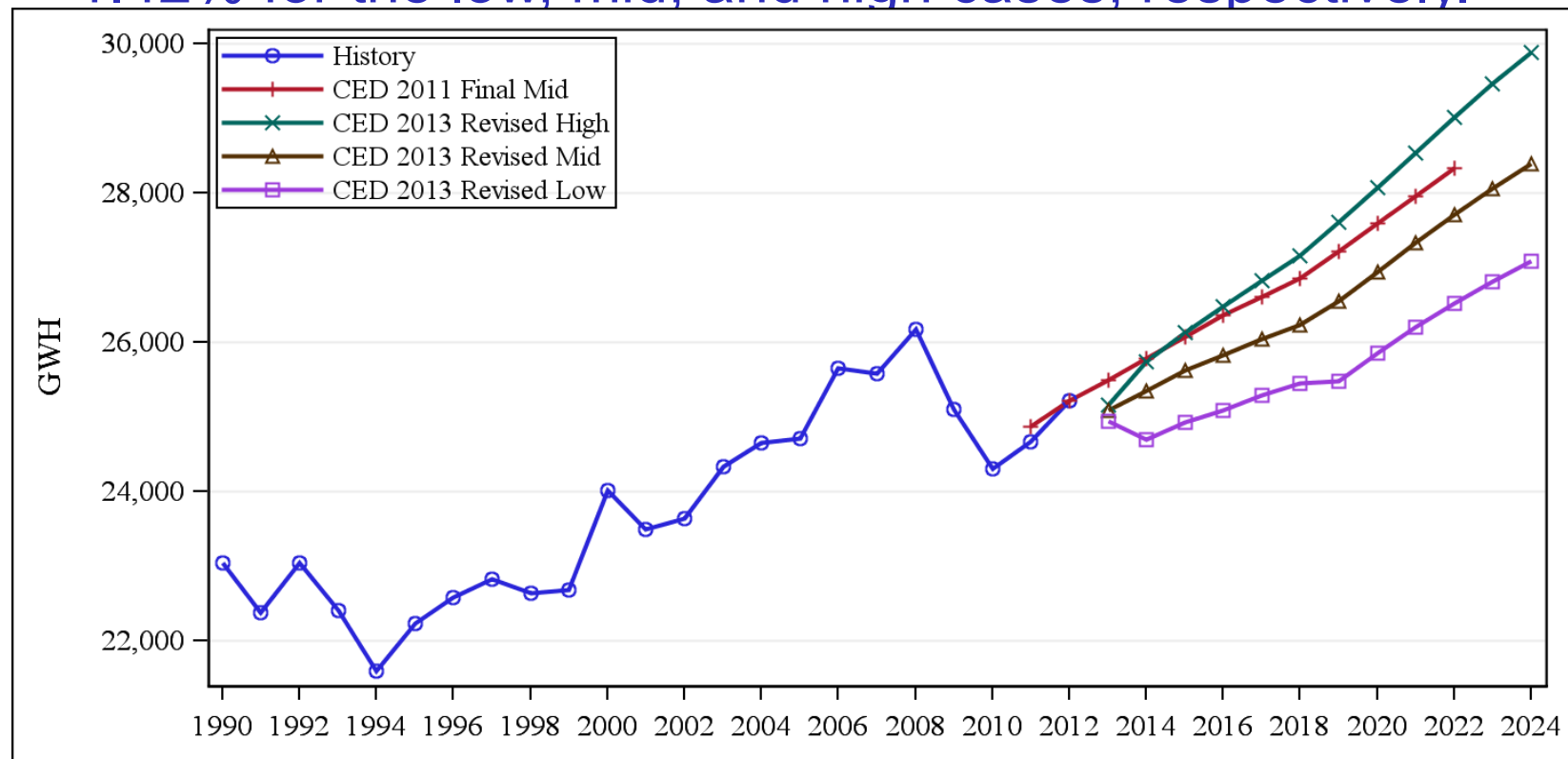
Electricity peak increased 1.8%, 1.4%, and 1.0% for the low, mid, and high demand cases, respectively.





LADWP Electricity Consumption

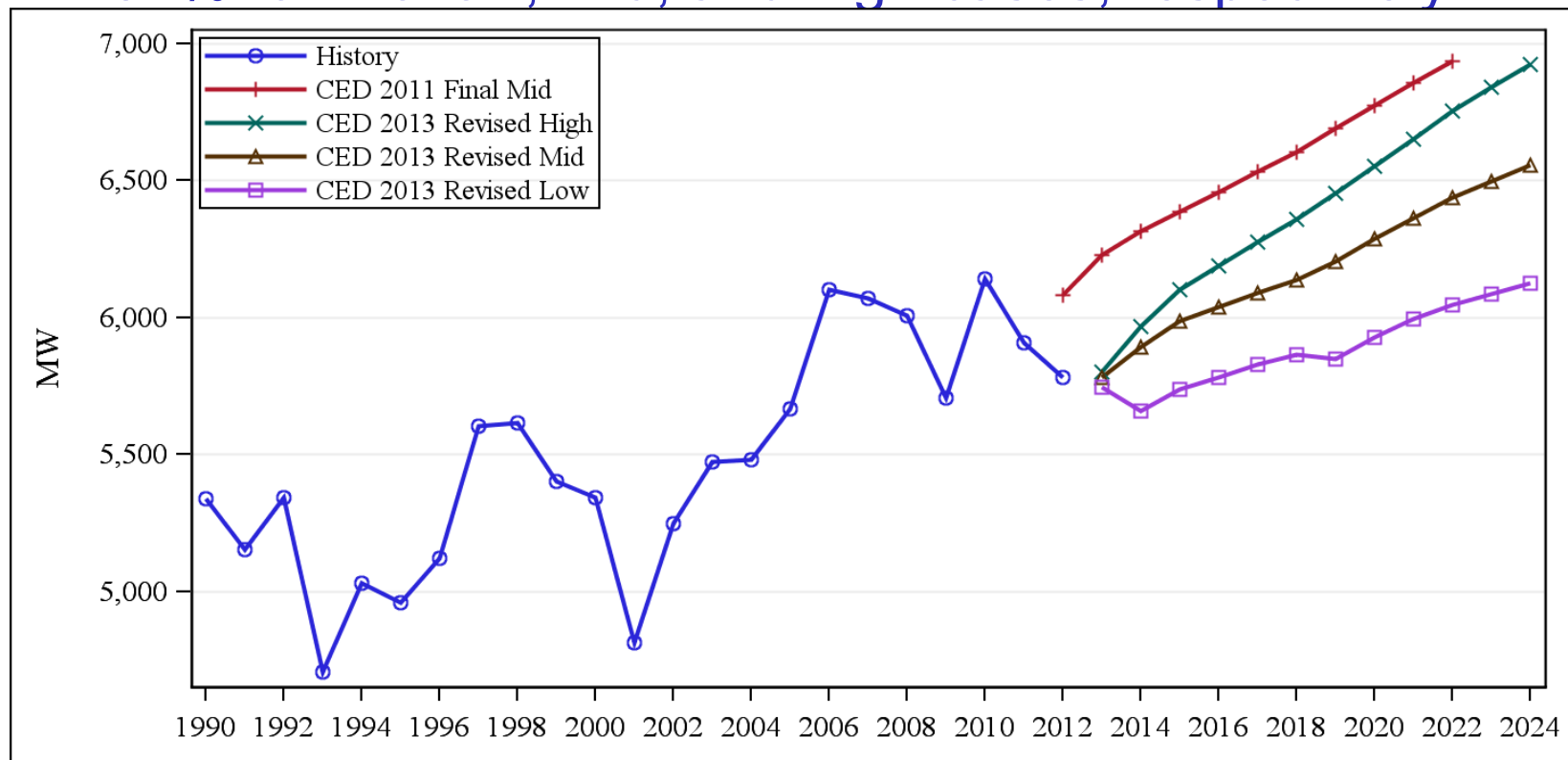
Average annual growth 2012-2024: 0.6%, 0.99%, and 1.42% for the low, mid, and high cases, respectively.





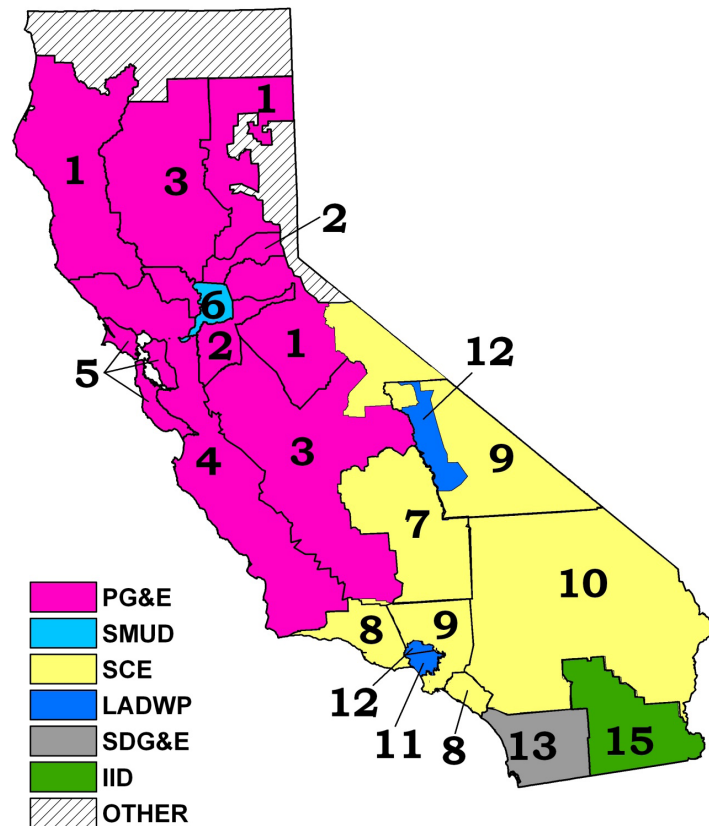
LADWP Planning Area Peak

Average annual growth 2012-2024: 0.48%, 1.05%, and 1.52% for the low, mid, and high cases, respectively.





Climate Zones



Not Shown:
Burbank / Glendale CZ - 14
Pasadena - CZ 16

- Climate Zone 11 represented by Long Beach weather station.
- Climate Zone 12 represented by Burbank weather station (includes Owens Valley).



Consumption and Peak Growth by Climate Zone

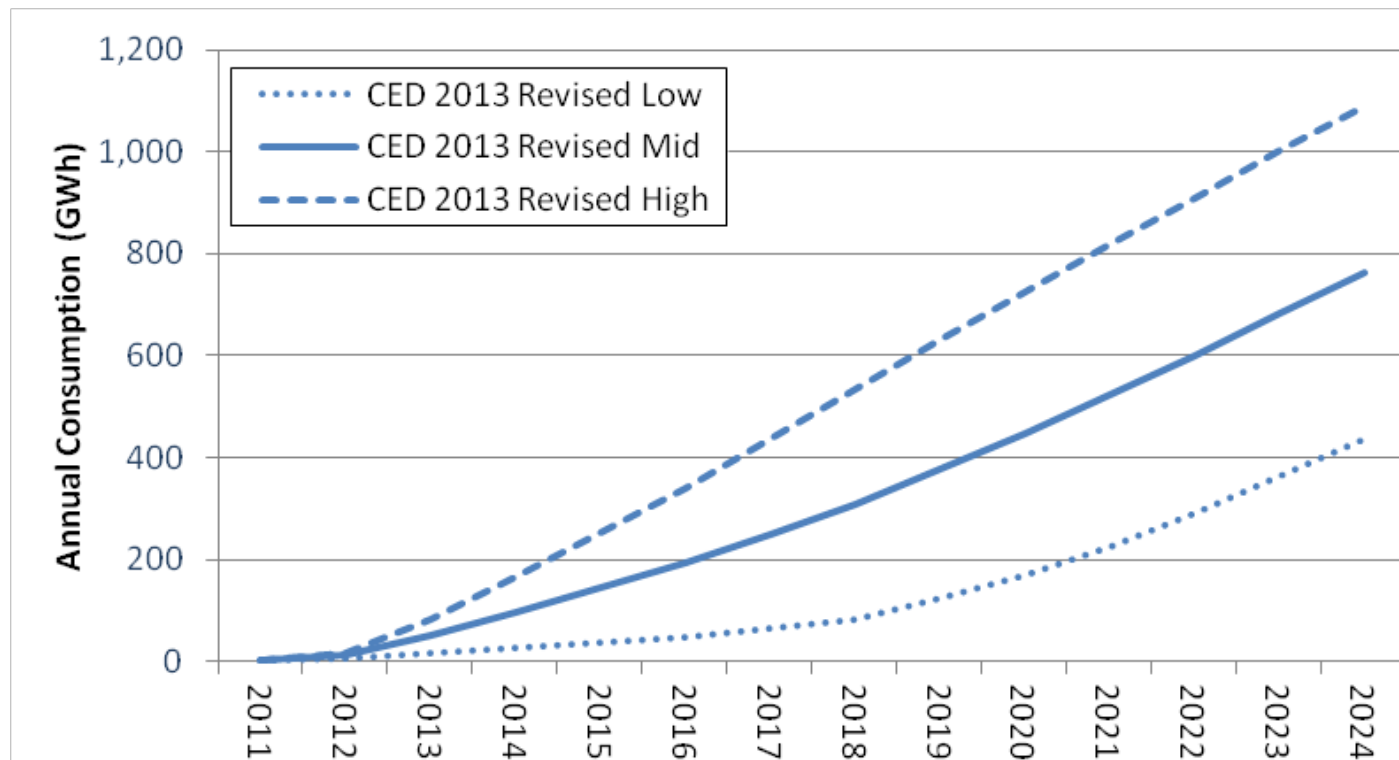
Highest growth occurs in climate zone 12 which is north and inland.

Demand Case	Year	Consumption by Climate Zone (GWh)		Peak Demand by Climate Zone (MW)	
		11	12	11	12
Low Demand Case	2013	8,456	16,483	1,705	4,041
	2024	8,928	18,158	1,792	4,334
	Ave Growth 2013-2024	0.49%	0.88%	0.45%	0.64%
Mid Demand Case	2013	8,506	16,579	1,716	4,067
	2024	9,366	19,022	1,918	4,638
	Ave Growth 2013-2024	0.88%	1.26%	1.02%	1.20%
High Demand Case	2013	8,527	16,629	1,721	4,080
	2024	9,842	20,044	2,025	4,901
	Ave Growth 2013-2024	1.31%	1.71%	1.49%	1.68%



LADWP Plug-in Electric Vehicle Forecast

Annual average growth 2012-2024 exceed 40%





Port Forecast

Port electricity consumption increases as regulation compliances increases through 2020

